



520.43141X00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Koichi OKADA, et al.

Serial No.: 10/661,574

Filed: September 15, 2004

For: CHANGING-OVER AND CONNECTING A FIRST PATH,  
WHEREIN HOSTS CONTINUE ACCESSING AN OLD DISK  
USING A SECOND PATH, AND THE SECOND PATH OF THE  
OLD DISK TO A NEWLY CONNECTED DISK VIA A SWITCH  
(Amended)

Group: 2182

Examiner: I. Park

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

**MS Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

June 15, 2006

Sir:

In the matter of the above-identified application, applicants are submitting copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration. The Examiner is informed that copies of the U.S. documents are not being enclosed.

This information disclosure statement is being submitted before the mailing date of a first office action on the merits.

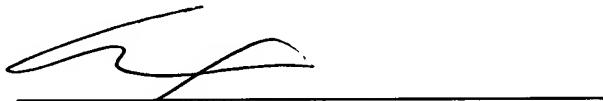
To the extent the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR

§1.98(a)(3) for a concise explanation of the relevance is satisfied by an English language translation of the documents.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (520.43141X00) please credit any excess fees to such deposit account.

Respectfully submitted,



Carl I. Brundidge  
Registration No. 29,621  
MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

CIB/jdc  
(703) 684-1120

JUN 15 2006



<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET NO. <b>520.43141X00</b>	SERIAL NO. <b>10/661,574</b>
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	APPLICANT <b>K. OKADA, et al</b>	
(Use several sheets if necessary)	FILING DATE <b>September 15, 2003</b>	GROUP <b>2182</b>

## **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4	0	2	5	9	0	4	5/77	Adney et al			
	5	4	0	8	4	6	5	4/95	Gusella et al			
	5	4	5	9	8	5	7	10/95	Ludlam et al			
	5	5	0	4	8	8	2	4/96	Chai et al			
	5	6	8	0	5	8	0	10/97	Beardsley et al			
	5	8	7	0	5	3	7	2/99	Kern et al			
	5	8	9	5	4	8	5	4/99	Loechel et al			
	5	9	1	7	7	2	3	6/99	Binford			
	5	9	5	6	7	5	0	9/99	Yamamoto, et al			
	6	0	1	2	1	2	3	1/00	Pecone et al			
	6	0	9	8	1	2	9	7/00	Fukuzawa et al			

## **FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT		
														YES		
	0	9	2	8	8	5	4	7	11/97	Japan					XX	
	1	0	2	8	3	2	7	2	10/98	Japan					XX	
	2 0 0 0	2	9	3	3	1	7		10/00	Japan					XX	
	2 0 0 1	0	6	7	1	8	7		3/01	Japan					XX	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

OTHER DOCUMENTS (including Author, Title, Date, Permanent Page, etc.)	
EXAMINER	DATE CONSIDERED

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(Form PTO-1449 [6-4])

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		6	1	7	3	3	7	4					
		6	2	1	9	7	5	3	4/01	Heil, et al			
		6	2	4	7	0	9	9	4/01	Richardson			
		6	2	4	7	1	0	3	6/01	Skazinski et al			
		6	2	4	7	1	0	3	6/01	Kern et al			
		6	4	4	6	1	4	1	9/02	Nolan et al			
		6	4	4	6	1	7	5	9/02	West et al			
		6	4	8	4	1	7	3	11/02	O'Hare, et al			
		6	4	9	0	6	5	9	12/02	McKean et al			
		6	5	2	3	0	9	6	2/03	Sanada et al			
		6	5	2	9	9	7	6	3/03	Fukuzawa et al			
		6	5	5	3	4	0	8	4/03	Merrell et al			

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		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
														YES	NO
		2 0 0 2	1	5	7	0	9	1		5/02	Japan			XX	
		2 0 0 2	2	3	0	2	4	6		8/02	Japan			XX	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

**S. Sicola, "SCSI-3 Fault Tolerant Controller Configurations Utilizing SCC & New Event Codes", High Availability Study Group, Doc. No. X3T10 95-312r3, Rev. 3.0, Feb. 28, 1996, pp. 1-4.**

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		6	6	4	0	2	7	8	10/03	Nolan et al			
		6	6	4	7	4	7	4	11/03	Yanai et al			
		6	6	5	4	8	3	0	11/03	Taylor et al			
		6	6	5	4	8	3	1	11/03	Otterness et al			
		6	6	7	5	2	5	8	1/04	Bramhall et al			
		6	6	8	1	3	3	9	1/04	McKean et al			
		6	6	8	4	3	1	0	1/04	Anzai et al			
		6	7	4	5	2	8	1	6/04	Saegusa			
		6	7	9	9	2	5	5	9/04	Blumenau et al			
		6	8	5	1	0	2	0	2/05	Matsumoto et al			
		6	8	8	3	0	6	4	4/05	Yoshida et al			

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	2 0 0 1	0	0	5	0	9	1	5	12/01	O'Hare et al			
	2 0 0 1	0	0	5	2	0	1	8	12/01	Yokokura			
	2 0 0 2	0	0	0	4	8	5	7	1/02	Arakawa et al			
	2 0 0 2	0	1	3	3	7	3	5	9/02	McKean et al			
	2 0 0 2	0	1	5	6	8	8	7	10/02	Hashimoto			
	2 0 0 3	0	0	3	7	0	7	1	2/03	Harris et al			
		6	3	5	6	9	7	7	3/02	Ofek et al			

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	<b>2 0 0 3</b>	0	0	5	1	1	0	9	3/03	Cochran				
	<b>2 0 0 3</b>	0	0	5	6	0	3	8	3/03	Cochran				
	<b>2 0 0 3</b>	0	0	9	7	6	0	7	5/03	Bessire				
	<b>2 0 0 3</b>	0	1	0	1	2	2	8	5/03	Busser et al				
	<b>2 0 0 3</b>	0	1	1	5	4	3	2	6/03	Biessener et al				

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
							YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	"SAN Virtualization Guidelines", DataCore Software Corporation, 2000, pp. 1-9.

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	2 0 0 3	0	1	2	6	3	2	7	7/03	<b>Pesola et al</b>				
	2 0 0 3	0	1	4	5	1	6	8	7/03	<b>LeCrone et al</b>				
	2 0 0 3	0	1	5	8	9	9	9	8/03	<b>Hauck et al</b>				
	2 0 0 3	0	1	6	7	4	1	9	9/03	<b>Yanai et al</b>				
	2 0 0 3	0	2	0	0	3	8	7	10/03	<b>Urabe et al</b>				
	2 0 0 3	0	2	0	4	5	9	7	10/03	<b>Arakawa et al</b>				
	2 0 0 3	0	2	1	2	8	6	0	11/03	<b>Jiang et al</b>				

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	2 0 0 3	0	2	2	1	0	7	7	11/03	Ohno et al			
	2 0 0 4	0	0	0	3	0	2	2	1/04	Garrison et al			
	2 0 0 4	0	0	4	9	5	5	3	3/04	Iwamura et al			
	2 0 0 4	0	0	5	4	8	5	0	3/04	Fisk			
	2 0 0 4	0	0	6	4	6	1	0	4/04	Fukuzawa et al			
	2 0 0 4	0	0	6	4	6	4	1	4/04	Kodama			
	2 0 0 4	0	1	1	1	4	8	5	6/04	Mimatsu et al			

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2 0 0 4		0	1	2	3	1	8	0	6/04	Soejima, et al				
2 0 0 4		0	1	4	3	8	3	2	7/04	Yamamoto, et al				
2 0 0 4		0	1	4	8	4	4	3	7/04	Achiwa et al				
2 0 0 4		0	1	7	2	5	1	0	9/04	Nagashima et al				
2 0 0 4		0	2	3	0	9	8	0	11/04	Koyama et al				
2 0 0 4		0	2	6	0	8	7	5	12/04	Murotani et al				

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														YES	NO	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Introduction to Storage Pooling, Consolidation Storage Resources with DataCore SANsymphony Software" White Paper, DataCore Software, upda ged July 2003, pp. 1-8.
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		5	1	5	5	8	4	5					
		5	1	5	5	8	4	5	10/92	Beal et al			
	2 0 0 4	0	2	6	0	9	6	6	12/04	Kaiya et al			
	2 0 0 2	0	0	2	9	3	2	6	3/02	Reuter et al			
	2 0 0 2	0	0	0	3	0	2	2	1/02	Csida et al			
	2 0 0 2	0	0	2	6	5	5	8	2/02	Reuter et al			
	2 0 0 2	0	0	1	9	9	2	0	2/02	Reuter et al			
	2 0 0 2	0	0	1	9	9	2	2	2/02	Reuter et al			
	2 0 0 2	0	0	1	9	9	2	3	2/02	Reuter et al			

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		6	1	9	5	7	3	0	2/01						
	2 0 0 2	0	0	1	9	9	0	8	2/02	Reuter et al					
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	2 0 0 2	0	0	8	7	5	4	4	7/02	Selkirk, et al					
	2 0 0 2	0	1	0	3	8	8	9	8/02	Markson, et al					
	2 0 0 2	0	1	1	2	1	1	3	8/02	Karpoff, et al					

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		YES	NO												
	9	7	0	9	6	7	6		3/97	PCT					

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2 0 0 2	0	1	5	6	9	8	7		10/02	Gajjar, et al			
2 0 0 2	0	1	7	8	3	3	5		11/02	Selkirk, et al			
2 0 0 2	0	1	8	8	5	9	2		12/02	Leonhardt, et al			
2 0 0 5	0	2	4	0	7	4	1		10/05	Nagasawa et al			
	5	9	7	8	8	9	0		11/99	Ozawa et al			

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							YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

		P. Sarkar, et al "Internet Protocol Storage Area Networks", IBM Systems, Journal, vol. 42, No. 2, 2003, pp. 218-231.
		E. Anderson, et al, "Hippodrome: Running Circles Around Storage Administration", Hewlett-Packard Laboratories, pp. 14.

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	2004	0	0	8	8	4	1	7	5/04	Bober, et al			
	2003	0	0	9	3	5	6	7	5/03	Lolayekar, et al			
	2004	0	0	6	8	6	3	7	4/04	Nelson et al			
	2003	0	2	2	9	6	4	5	12/03	Nelson et al			
	2005	0	0	3	3	8	7	8	2/05	Mogi et al			
	2004	0	1	3	9	2	3	7	7/04	Pangal et al			
	2003	0	1	1	5	2	1	8	6/03	Bobbit et al			

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		6	9	7	6	1	0	3	12/05	Watanabe et al			
		3	7	7	1	1	3	7	11/73	Barner et al			

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		0	3	0	2	3	6	4	0	3/03	PCT			

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

		JP 10-508967 (PCT equivalent WO 97/09676).

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(Form PTO-1449 [6-4])

<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office	<b>ATTY. DOCKET NO.</b>  <b>520.43141X00</b>	<b>SERIAL NO.</b>  <b>10/661,574</b>
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		
APPLICANT <b>K. OKADA, et al</b>		
(Use several sheets if necessary)		
<b>FILING DATE</b> <b>September 15, 2003</b>		<b>GROUP</b> <b>2182</b>

## **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	<b>“SANRAD Application Note: Migrating Individual Servers to an iSCSI SAN”, APP-004-01, SANRAD 2003, pp. 1-15.</b>
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	<b>“White Paper – Celerra Data Migration Service (CDMS)”, EMC Corporation, Jan. 2002, pp. 1-13.</b>

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		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
														YES	NO

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														YES	NO

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